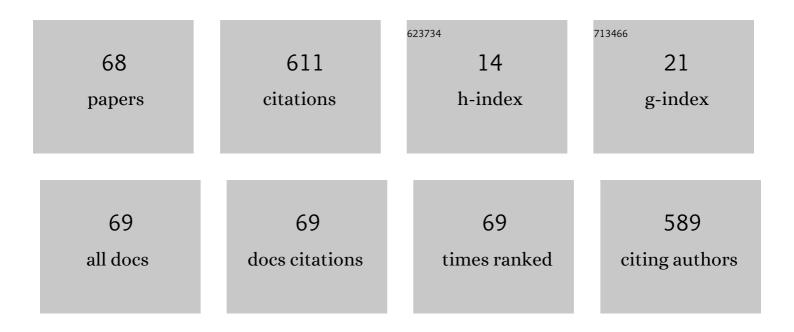
List of Publications by Year in descending order

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ΙΙΡΟ ΝΙSΗΙΝΛΟΛ

#	Article	IF	CITATIONS
1	Physical and chemical aspects at the interface and in the bulk of CuInSe ₂ -based thin-film photovoltaics. Physical Chemistry Chemical Physics, 2022, 24, 1262-1285.	2.8	21
2	Effects of alkali-metal incorporation into epitaxial Cu(In,Ga)Se2 solar cells prepared by molecular beam epitaxy. Thin Solid Films, 2022, 741, 139034.	1.8	7
3	Impacts of KF Post-Deposition Treatment on the Band Alignment of Epitaxial Cu(In,Ga)Se ₂ Heterojunctions. ACS Applied Materials & Interfaces, 2022, 14, 16780-16790.	8.0	3
4	Influence of argon pressure on sputter-deposited molybdenum back contacts for flexible Cu(In,Ga)Se2 solar cells on polyimide films. Solar Energy, 2022, 241, 327-334.	6.1	2
5	Optoelectronic Inactivity of Dislocations in Cu(In,Ga)Se ₂ Thin Films. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100042.	2.4	2
6	Investigating dislocations in epitaxial Cu(In,Ga)Se2 absorbers using atom probe tomography. , 2021, , .		0
7	Optical and Structural Properties of High-Efficiency Epitaxial Cu(In,Ga)Se ₂ Grown on GaAs. ACS Applied Materials & Interfaces, 2020, 12, 3150-3160.	8.0	11
8	Impact of rough substrates on hydrogen-doped indium oxides for the application in CIGS devices. Solar Energy Materials and Solar Cells, 2020, 206, 110300.	6.2	7
9	A comparative study of the effects of light and heavy alkali-halide postdeposition treatment on CuGaSe2 and Cu(In,Ga)Se2 thin-film solar cells. Solar Energy, 2020, 211, 1092-1101.	6.1	6
10	Efficient Narrow Band Gap Cu(In,Ga)Se2 Solar Cells with Flat Surface. ACS Applied Materials & Interfaces, 2020, 12, 45485-45492.	8.0	15
11	Crystalline Characterisitics of Epitaxial Cu(In,Ga)Se2 Layers on GaAs (001) Substrates. , 2020, , .		3
12	Current status of transparent conducting oxide layers with high electron mobility and their application in Cu(In,Ga)Se2 mini-modules. Thin Solid Films, 2019, 673, 26-33.	1.8	4
13	Improved efficiency of Cu(In,Ga)Se ₂ miniâ€module via highâ€mobility In ₂ O ₃ :W,H transparent conducting oxide layer. Progress in Photovoltaics: Research and Applications, 2019, 27, 491-500.	8.1	16
14	Assessing the impact of back-contact recombination on CIGS solar cells with improved crystal quality. , 2019, , .		1
15	Temperature and excitation dependence of recombination in CIGS thin films with high spatial resolution. , 2019, , .		0
16	Reduced recombination in a surface-sulfurized Cu(InGa)Se ₂ thin-film solar cell. Japanese Journal of Applied Physics, 2018, 57, 055701.	1.5	9
17	Group III Elemental Composition Dependence of RbF Postdeposition Treatment Effects on Cu(In,Ga)Se ₂ Thin Films and Solar Cells. Journal of Physical Chemistry C, 2018, 122, 3809-3817.	3.1	86
18	Evaluation of femtosecond laser-scribed Cu(In,Ga)Se2 solar cells using scanning spreading resistance microscopy. Applied Physics Express, 2018, 11, 032301.	2.4	10

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19	Siâ€Doped Cu(In,Ga)Se ₂ Photovoltaic Devices with Energy Conversion Efficiencies Exceeding 16.5% without a Buffer Layer. Advanced Energy Materials, 2018, 8, 1702391.	19.5	8
20	Effect of thermal annealing on the redistribution of alkali metals in Cu(In,Ga)Se2solar cells on glass substrate. Journal of Applied Physics, 2018, 123, 093101.	2.5	14
21	Growth and Characterization of Fullerene/GaAs Interfaces and C 60 -Doped GaAs and AlGaAs Layers. , 2018, , 533-550.		0
22	Lithographic fabrication of point contact with Al2O3 rear-surface-passivated and ultra-thin Cu(In,Ga)Se2 solar cells. Thin Solid Films, 2018, 665, 91-95.	1.8	16
23	Spatially Resolved Recombination Analysis of Culn _x Ga _{1-x} Se ₂ Absorbers With Alkali Postdeposition Treatments. IEEE Journal of Photovoltaics, 2018, 8, 1833-1840.	2.5	12
24	Reduced potential fluctuation in a surface sulfurized Cu(InGa)Se2. Japanese Journal of Applied Physics, 2018, 57, 085702.	1.5	2
25	Single-crystal Cu(In,Ga)Se ₂ solar cells grown on GaAs substrates. Applied Physics Express, 2018, 11, 082302.	2.4	30
26	Impact of front contact layers on performance of Cu(In,Ga)Se ₂ solar cells in relaxed and metastable states. Progress in Photovoltaics: Research and Applications, 2018, 26, 789-799.	8.1	11
27	Significance of metastable acceptors in Cu(In,Ga)Se ₂ solar cells in accelerated lifetime testing. Japanese Journal of Applied Physics, 2018, 57, 092301.	1.5	7
28	Effects of RbF postdeposition treatment and heat-light soaking on the metastable acceptor activation of CuInSe2 thin film photovoltaic devices. Applied Physics Letters, 2018, 113, .	3.3	25
29	An over 18%-efficient completely buffer-free Cu(In,Ga)Se ₂ solar cell. Applied Physics Express, 2018, 11, 075502.	2.4	6
30	Device physics of Cu(In,Ga)Se2 solar cells for long-term operation. , 2017, , .		0
31	Ultrafast laser scribing of transparent conductive oxides in Cu(In,Ga)Se ₂ solar cells via laser lift-off process: the control of laser-induced damage. Proceedings of SPIE, 2017, , .	0.8	2
32	Cu(In,Ga)Se ₂ Solar Cells with Amorphous In ₂ O ₃ -Based Front Contact Layers. ACS Applied Materials & Interfaces, 2017, 9, 29677-29686.	8.0	14
33	Effects of long-term heat-light soaking on Cu(In,Ga)Se ₂ solar cells with KF postdeposition treatment. Applied Physics Express, 2017, 10, 092301.	2.4	51
34	Degradation mechanism of Cu(In,Ga)Se ₂ solar cells induced by exposure to air. Japanese Journal of Applied Physics, 2016, 55, 072301.	1.5	10
35	High efficiency and radiation resistant InGaP/GaAs//CIGS stacked solar cells for space applications. , 2016, , .		11
36	Comparison of ZnO:B and ZnO:Al layers for Cu(In,Ga)Se2 submodules. Thin Solid Films, 2016, 614, 79-83.	1.8	18

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37	Effects of Mo surface oxidation on Cu(In,Ga)Se ₂ solar cells fabricated by three-stage process with KF postdeposition treatment. Japanese Journal of Applied Physics, 2016, 55, 022304.	1.5	15
38	Femtosecond Laser Scribing of Cu(In,Ga)Se2 Thin-Film Solar Cell. Journal of Laser Micro Nanoengineering, 2016, 11, 130-136.	0.1	4
39	Optical properties of Al Ga1â^'As/GaAs superlattice solar cells. Journal of Crystal Growth, 2015, 425, 333-336.	1.5	1
40	Recombination current in AlGaAs/GaAs superlattice solar-cells grown by molecular beam epitaxy. Journal of Crystal Growth, 2015, 425, 326-329.	1.5	3
41	High absorption efficiency of AlGaAs/GaAs superlattice solar cells. Japanese Journal of Applied Physics, 2015, 54, 052301.	1.5	5
42	Crystalline and electrical characteristics of C60 uniformly doped GaAs layers. Journal of Crystal Growth, 2013, 378, 81-84.	1.5	1
43	Growth and characterisation of fullerene/GaAs interfaces and C60-doped GaAs and AlGaAs layers. , 2013, , 559-578.		0
44	Selective area growth of InAs nanostructures on faceted GaAs microstructures by migration enhancedepitaxy. Journal of Crystal Growth, 2013, 378, 480-484.	1.5	3
45	High-Absorption-Efficiency Superlattice Solar Cells by Excitons. Japanese Journal of Applied Physics, 2013, 52, 112302.	1.5	4
46	Controlled nucleation and optical properties of InAs quantum dots grown on faceted GaAs microstructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1500-1504.	0.8	2
47	Electrical properties of C60 and Si codoped GaAs layers. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, 02B116.	1.2	1
48	Structural properties of InAsâ€based nanostructures grown on GaAs(001) and GaAs(111)A by area selective epitaxy. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 218-221.	0.8	1
49	Excitonic absorption on AlGaAs/GaAs superlattice solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 330-333.	0.8	2
50	Effect of Excitons in AlGaAs/GaAs Superlattice Solar Cells. Japanese Journal of Applied Physics, 2011, 50, 052302.	1.5	4
51	Erratum to "Area selective epitaxy of InAs on GaAs(001) and GaAs(111)A by migration enhanced epitaxy― [J. Crystal Growth 323 (2011) 9–12]. Journal of Crystal Growth, 2011, 335, 181-182.	1.5	0
52	Growth and characterization of C60/GaAs interfaces and C60 doped GaAs. Journal of Crystal Growth, 2011, 323, 135-139.	1.5	7
53	Area selective epitaxy of InAs on GaAs(0 0 1) and GaAs(1 1 1)A by migration enhanced epitaxy. Journal of Crystal Growth, 2011, 323, 9-12.	1.5	6
54	Effect of excitons on the absorption in the solar-cell with AlGaAs/GaAs superlattice grown by molecular beam epitaxy. Journal of Crystal Growth, 2011, 323, 504-507.	1.5	10

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55	Growth of CuGaSe ₂ Layers on Closely Lattice-Matched GaAs Substrates by Migration-Enhanced Epitaxy. Japanese Journal of Applied Physics, 2011, 50, 125502.	1.5	8
56	Effect of Excitons in AlGaAs/GaAs Superlattice Solar Cells. Japanese Journal of Applied Physics, 2011, 50, 052302.	1.5	4
57	Electrical properties of C ₆₀ deltaâ€doped GaAs and AlGaAs layers grown by MBE. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2486-2489.	0.8	7
58	Structural properties of C60-multivalent metal composite layers grown by molecular beam epitaxy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C3E10-C3E13.	1.2	2
59	Investigation of C60Epitaxial Growth Mechanism on GaAs Substrates. Japanese Journal of Applied Physics, 2009, 48, 025502.	1.5	7
60	RHEED intensity oscillation of C60 layer epitaxial growth. Journal of Crystal Growth, 2009, 311, 2227-2231.	1.5	8
61	Crystalline and electrical characteristics of C60-doped GaAs films. Journal of Crystal Growth, 2009, 311, 2232-2235.	1.5	6
62	RHEED intensity oscillation of C60 growth on GaAs substrates. Applied Surface Science, 2008, 255, 682-684.	6.1	1
63	Characteristics of multivalent impurity doped C60 films grown by MBE. Journal of Crystal Growth, 2007, 301-302, 687-691.	1.5	6
64	Nanoscale selective area epitaxy of C[sub 60] crystals on GaAs by molecular beam epitaxy. Journal of Vacuum Science & Technology B, 2006, 24, 1587.	1.3	10
65	Mechanical and optical characteristics of Al-doped C60 films. Journal of Crystal Growth, 2005, 278, 633-637.	1.5	23
66	Selective growth of C[sub 60]/GaAs and the optical characteristic. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1441.	1.6	0
67	Selective growth of C60 layers on GaAs and their crystalline characteristics. Thin Solid Films, 2004, 464-465, 323-326.	1.8	18
68	Compositional Nonuniformity in Molecular Beam Epitaxy Grown InAsSb on GaAs(111)A Substrates. Japanese Journal of Applied Physics, 2003, 42, 6260-6264.	1.5	1